

Thermoforming Nylon/PE Film

Product Information

Nylon / PE

Features

NE Medical-Grade Co-extruded Film. High-Performance Thermoforming Solutions for Sterile Packaging.

Engineered with multi-layer co-extrusion technology, NE Film offers reliable oxygen barriers and superior thermoformability for automated FFS lines packaging syringes, gauze, and tubing.

- 80μ Top Film (Lidding): Premium lidding web with a broad heat-seal window for reliable sterile integrity and clean, fiber-free peeling; laminates easily with PET/OPP.
- 110μ / 120μ / 150μ Bottom Film (Forming): High-clarity deep-draw web ensuring uniform wall thickness and superior puncture resistance against sharp syringe edges to eliminate pinhole risks.

General Properties				Thermoforming Nylon/PE Film Series			
Item		Reference Standards	Unit	F2624-M NE 80	F2703 NE110	F2615-M NE 120	F2606-M NE 150
Thickness			Micron (μ)	80	110	120	150
Yield point	MD	ASTM D882	Kg/cm ²	150	160	130	180
	TD			150	150	140	170
Break point	MD	ASTM D882	Kg/cm ²	460	450	320	430
	TD			470	400	330	450
Elongation percent	MD	ASTM D882	%	480	490	450	510
	TD			550	470	500	560
Tensile Modulus of elasticity 2%	MD	ASTM D882	Kg/cm ²	2400	2200	2400	3400
	TD			2300	2800	2300	3000
Static C.O.F.	Treated	ASTM D1894	Kg/200g	N/A	N/A	N/A	N/A
	Untreated			0.08	0.07	0.09	0.09
Kinetic C.O.F.	Treated	ASTM D1894	Kg/200g	N/A	N/A	N/A	N/A
	Untreated			0.08	0.06	0.08	0.09
HAZE		ASTM D1003	%	5.7	7.0	10	12.5
Corona-Treated Surface				NY	N/A	NY	N/A
Suggested Forming Depth			mm	10-15	20-40	10-30	40-50

(The above are representative/measured values and not guaranteed values)

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Ver. EN260814-NE